

# Course of Study Green Technologies: Energy, Water, Climate (Study Cohort w21)

Legend:

Core Qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
Core Qualification Elective Compulsory	Specialisation Elective Compulsory	Focus Elective Compulsory	Interdisciplinary complement

Sample course plan T Bachelor Green Technologies: Energy, Water, Climate (GTBS)

Specialisation Energy Technology			
1	<b>Mathematics I</b>		<b>Technical Thermodynamics I</b>
2	Linear Algebra I VL 2 Linear Algebra I GÜ 1		Technical Thermodynamics I VL 2 Technical Thermodynamics I HÜ 1
3	Linear Algebra I HÜ 1		Technical Thermodynamics I GÜ 1
4	Analysis I VL 2		
5	Analysis I GÜ 1		
6	Analysis I HÜ 1		
7			
8		<b>Mechanics II: Mechanics of Materials</b>	<b>Technical Thermodynamics II</b>
9		Mechanics II VL 2 Mechanics II GÜ 2 Mechanics II HÜ 2	Technical Thermodynamics II VL 2 Technical Thermodynamics II HÜ 1 Technical Thermodynamics II GÜ 1
10	<b>General and Inorganic Chemistry</b>		
11	General and Inorganic Chemistry VL 3 Fundamentals in Inorganic Chemistry PR 3 Fundamentals in Inorganic Chemistry GÜ 1		
12			
13		<b>Mathematics II</b>	<b>Mathematics III</b>
14		Linear Algebra II VL 2 Linear Algebra II GÜ 1 Linear Algebra II HÜ 1	Analysis III VL 2 Analysis III GÜ 1 Analysis III HÜ 1
15	<b>Mechanics I (Statics)</b>		
16	Mechanics I VL 2 Mechanics I GÜ 2 Mechanics I HÜ 1		
17			
18			
19			
20			
21	<b>Computer Science for Engineers - Introduction and Overview</b>	<b>Organic Chemistry</b>	<b>Measurement Technology for Chemical and Bioprocess Engineering</b>
22	Computer Science for Engineers - Introduction and Overview VL 3	Organic Chemistry VL 4 Organic Chemistry PR 3	Measurement Technology VL 2 Physical Fundamentals of Measurement Technology VL 2 Practical Course Measurement Technology PR 2
23	Computer Science for Engineers - Introduction and Overview GÜ 2		
24			
25			
26			
27	<b>Green Technologies I</b>		<b>Green Technologies II (part 1)</b>
28	Meteorology and Climate Systems - Introduction VL 2 Introduction to Green Technologies SE 2		Environmental Technologie VL 2 Pollutant analysis VL 2
29	Meteorology and Climate Systems - Introduction GÜ 2		
30			
31			
32			
33			
			<b>Fundamentals of Materials Science (part 1)</b>
			Fundamentals of Materials Science II VL 2
			<b>Reciprocating Machinery (part 1)</b>
			Fundamentals of Reciprocating Engines and Turbomachinery - Part Reciprocating Engines VL 1 Fundamentals of Reciprocating Engines and Turbomachinery - Part Reciprocating Engines HÜ 1

Non-technical Courses for Bachelors (from catalogue) - 6LP

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.

